

11. (thrice amended) An isolated biologically active beta-secretase polypeptide selected from the group consisting of:

- a) the polypeptide of any of SEQ ID NOs: 4, 5, and 6;
- b) a fragment of any of SEQ ID NOs. 4, 5, and 6;
- c) a polypeptide having one to fifty conservative amino acid changes as compared with the polypeptide of SEQ ID NO: 4; and
- d) the polypeptide encoded by the DNA vector insert of ATCC Deposit Nos. 207158 and 207159.

12. (four times amended) An isolated biologically active beta-secretase polypeptide encoded by a nucleic acid molecule selected from the group consisting of:

- a) a nucleic acid molecule as set forth in any of SEQ ID Nos:1, 2, and 3;
- b) a nucleic acid molecule encoding the polypeptide of any of SEQ ID NOs: 4, 5, and 6;
- c) fragments of SEQ ID NOs: 1, 2, and 3;
- d) a nucleic acid molecule of the DNA vector insert in ATCC deposit No. 207158;
- e) a nucleic acid molecule of the DNA vector insert in ATCC deposit No. 207159; and
- f) a nucleic acid molecule having one to fifty conservative amino acid substitutions as compared with the polypeptide of SEQ ID NO:4.